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NOTICE OF ALLOWANCE AND FEE(S) DUE

37013

7590

12/24/2009

ROSSI, KIMMS & McDOWELL LLP. 20609 Gordon Park Square, Suite 150 Ashburn, VA 20147 EXAMINER

CLEMENT, MICHELLE RENEE

ART UNIT PAPER NUMBER

3641

DATE MAILED: 12/24/2009

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/648,847 | 08/26/2003 | Mark H. Machina | APTI:066 | 3853 |

TITLE OF INVENTION: METHOD AND APPARATUS FOR DISPLACING MATERIAL AND PROJECTILE THEREOF

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | NO | \$1510 | \$300 | \$0 | \$1810 | 03/24/2010 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where n

| appropriate. All further correspondence including the Patent, advance indicated unless corrected below or directed otherwise in Block 1, be maintenance fee notifications. CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) | | | Note Fee(pape | e: A certificate of mai s) Transmittal. This co rs. Each additional pa | iling can only be used for | or domestic mailings of the for any other accompanying int or formal drawing, must |
|---|--|---|--|---|--|--|
| 37013 | 7590 12/24 | | | Certific | rate of Mailing or Trans | mission |
| ROSSI, KIMMS & McDOWELL LLP. 20609 Gordon Park Square, Suite 150 Ashburn, VA 20147 | | | I he State addr trans | eby certify that this F es Postal Service with essed to the Mail St | ee(s) Transmittal is being sufficient postage for fir- op ISSUE FEE address (571) 273-2885, on the d | g deposited with the United st class mail in an envelope above, or being facsimile |
| | | | | | | (Depositor's name) |
| | | | | | | (Signature) |
| | | | | | | (Date) |
| APPLICATION NO. | FILING DATE | | FIRST NAMED INVENTOR | AT | TORNEY DOCKET NO. | CONFIRMATION NO. |
| 10/648,847 | 08/26/2003 | | Mark H. Machina | | APTI:066 | 3853 |
| TITLE OF INVENTION | : METHOD AND APPA | RKATUS FOR DISPLAC | ING MATERIAL AND PI | COJECTILE THEREC | or . | |
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| nonprovisional | NO | \$1510 | \$300 | \$0 | \$1810 | 03/24/2010 |
| EXAM | IINER | ART UNIT | CLASS-SUBCLASS | | | |
| CLEMENT, MIC | CHELLE RENEE | 3641 | 102-506000 | | | |
| CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Custome Number is required. | | | (1) the names of up to or agents OR, alternativ (2) the name of a single registered attorney or a 2 registered patent attor listed, no name will be | rely, e firm (having as a me gent) and the names of neys or agents. If no iprinted. | ember a 2 | |
| PLEASE NOTE: Unrecordation as set fort (A) NAME OF ASSI | less an assignee is identi h in 37 CFR 3.11. Comp GNEE | ified below, no assignee oletion of this form is NO | T a substitute for filing an (B) RESIDENCE: (CITY | atent. If an assignee inssignment. and STATE OR COU | UNTRY) | ocument has been filed for |
| Please check the appropr | riate assignee category or | categories (will not be pa | rinted on the patent): | Individual | oration or other private gro | oup entity Government |
| 4a. The following fee(s) are submitted: ☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies | | | b. Payment of Fee(s): (Plea A check is enclosed. Payment by credit car The Director is hereby overpayment, to Depo | 1. Form PTO-2038 is authorized to charge t | attached. he required fee(s), any de | |
| a. Applicant claim | tus (from status indicated as SMALL ENTITY statu | is. See 37 CFR 1.27. | b. Applicant is no long | = | | |
| interest as shown by the | records of the United Sta | tes Patent and Trademark | a from anyone other than the Office. | ie appiicant; a register | ed attorney or agent; or th | ne assignee or other party in |
| Authorized Signature | | | Date | | | |
| Typed or printed name | | | | | | |
| This collection of inform an application. Confiden submitting the complete this form and/or suggest Box 1450, Alexandria, V Alexandria, Virginia 223 | tiality is governed by 35 d application form to the ions for reducing this but /irginia 22313-1450. DC | FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary riden, should be sent to the ONOT SEND FEES OR | on is required to obtain or r 1.14. This collection is est depending upon the indiv the Chief Information Office COMPLETED FORMS TO | etain a benefit by the p imated to take 12 min idual case. Any comn r, U.S. Patent and Tra) THIS ADDRESS. SI | oublic which is to file (and utes to complete, includir nents on the amount of ti demark Office, U.S. Dep END TO: Commissioner | d by the USPTO to process) in gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450, |

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| 10/648,847 | 08/26/2003 | Mark H. Machina | APTI:066 | 3853 |
| 37013 75 | 590 12/24/2009 | | EXAM | INER |
| ROSSI, KIMMS | & McDOWELL LLI | CLEMENT, MICHELLE RENEE | | |
| | k Square, Suite 150 | | ART UNIT | PAPER NUMBER |
| Ashburn, VA 20147 | | | 3641 | |
| | | | DATE MAILED: 12/24/2009 | |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 538 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 538 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

| | Application No. | Applicant(s) | | | |
|---|---|--|--|--|--|
| | | | | | |
| Notice of Allowability | 10/648,847 Examiner | MACHINA ET AL. Art Unit | | | |
| - | | | | | |
| | Michelle (Shelley) Clement | 3641 | | | |
| The MAILING DATE of this communication apper All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313 | (OR REMAINS) CLOSED in this ap or other appropriate communication GHTS. This application is subject t | plication. If not included n will be mailed in due course. THIS | | | |
| 1. This communication is responsive to <u>5/29/09</u> . | | | | | |
| 2. The allowed claim(s) is/are <u>1,2, 4-10, 12, 14, 15, 18-22</u> . | | | | | |
| 3. Acknowledgment is made of a claim for foreign priority un | nder 35 U.S.C. § 119(a)-(d) or (f). | | | | |
| a) ☐ All b) ☐ Some* c) ☐ None of the: | | | | | |
| Certified copies of the priority documents have | been received. | | | | |
| 2. Certified copies of the priority documents have | been received in Application No | · | | | |
| Copies of the certified copies of the priority do | cuments have been received in this | national stage application from the | | | |
| International Bureau (PCT Rule 17.2(a)). | | | | | |
| * Certified copies not received: | | | | | |
| Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. | | complying with the requirements | | | |
| 4. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give | | | | | |
| 5. CORRECTED DRAWINGS (as "replacement sheets") mus | et be submitted. | | | | |
| (a) \square including changes required by the Notice of Draftspers | on's Patent Drawing Review(PTO | -948) attached | | | |
| 1) ☐ hereto or 2) ☐ to Paper No./Mail Date | | | | | |
| (b) ☐ including changes required by the attached Examiner's | s Amendment / Comment or in the C | Office action of | | | |
| Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1. | | | | | |
| each sheet. Replacement sheet(s) should be labeled as such in th | | • | | | |
| 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. | | | | | |
| | | | | | |
| Attachment(s) 1. ☐ Notice of References Cited (PTO-892) | 5. ☐ Notice of Informal F | Patent Application | | | |
| 2. Notice of Draftperson's Patent Drawing Review (PTO-948) | 6. 🔲 Interview Summary | | | | |
| 3. Information Disclosure Statements (PTO/SB/08), | Paper No./Mail Da 7. | te ment/Comment | | | |
| Paper No./Mail Date 4. | 8. Examiner's Stateme | ent of Reasons for Allowance | | | |
| of Biological Material | 9. | | | | |
| /Michelle (Shelley) Clement/ | | | | | |
| Primary Examiner, Art Unit 3641 | | | | | |
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